



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Tuesday, August 18, 2015

Issued: 0800 CT

Day 1 Hazards: A few severe storms possible this afternoon/evening over northern OK.

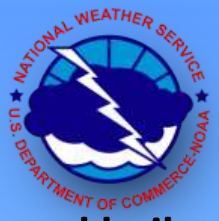
National Weather Service

Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



Prepared by: Brian Hoeth
817-978-1100 x 147

Key Points



Today

- **Slight Risk of severe storms over northern OK; main threats are damaging winds and hail**
 - A Marginal Risk of severe storms extends over much of the rest of OK, northwest AR, E NM, TX panhandle, and portions of northwest/west TX

Wednesday - Thursday

- **Showers and thunderstorms possible on Wednesday across much of the Region (except NM); a few strong to severe storms and areas of flash flooding possible over Arkansas**
- **Showers and thunderstorms focused mainly over eastern and southern portions of the Region on Thursday ; severe weather and/or flooding not expected**

Friday - Saturday

- **No Significant Weather Impacts**






Tropical Outlook

- **An area of low pressure in the Eastern Atlantic may develop into a tropical depression today or tomorrow. System will slowly move westward over the next several days.**
 - Formation chance through 48 hours ... high ... 90 percent
 - Formation chance through 5 days ... high ... 90 percent
- **A non-tropical area of low pressure is expected to form within a couple hundred miles of Bermuda. System moving very slowly northward. No Impacts to FEMA 6.**
 - Formation chance through 48 hours ... low ... 0 percent
 - Formation chance through 5 days ... low ... 20 percent

*FEMA Region 6 Threat Matrix

Aug 18, 2015 - Aug 22, 2015

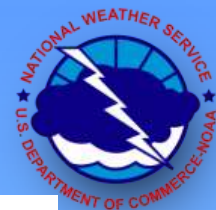
DAY/ THREAT	TUE	WED	THU	FRI	SAT
Severe Weather	N OK	AR			
	OK, NE AR, E NM TX Panhandle, NW/W TX				
Heavy Rain / Flash Flooding		AR			
Heat					
Tropical					
Fire					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to sr-srh.roc@noaa.gov.

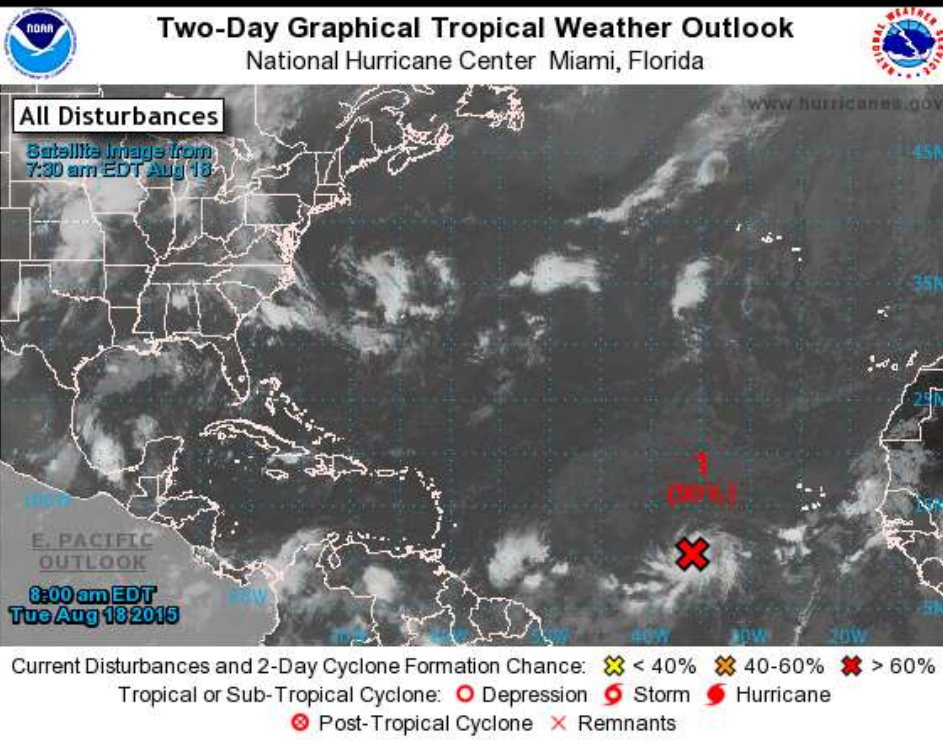


The criteria for the color codes in our briefings is below, please provide any feedback to sr-srh.roc@noaa.gov.



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

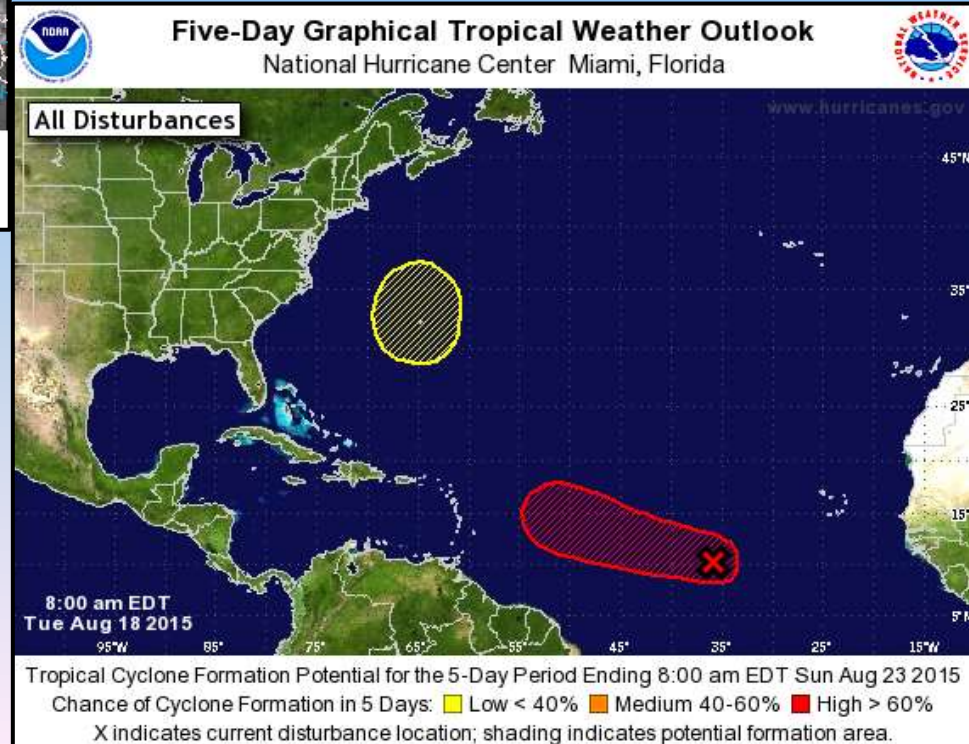
Atlantic/Gulf Tropical Weather Outlook



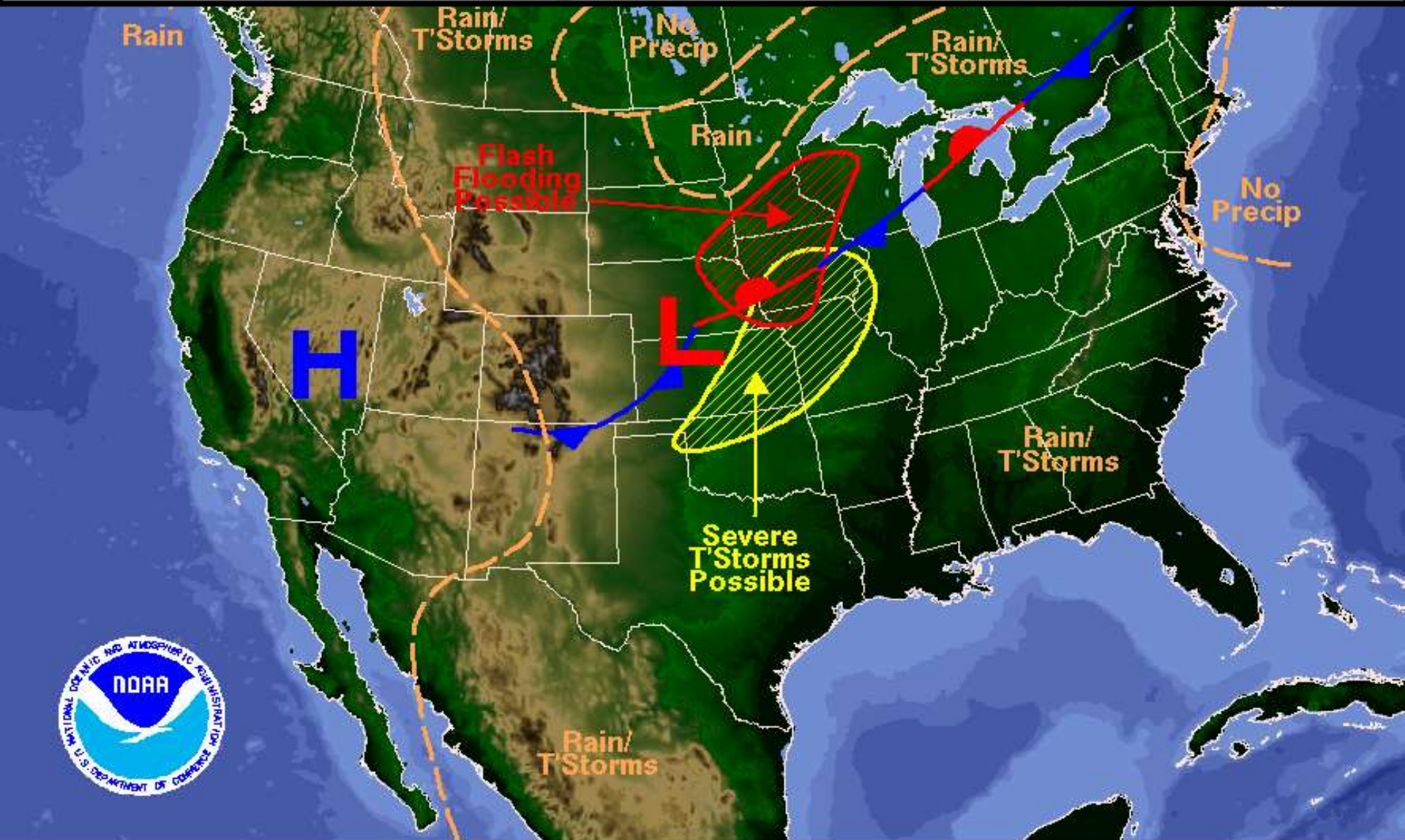
Formation chance through 48 hours...high...90 percent.

Formation chance through 5 days...high...90 percent.

Thunderstorm activity associated with an area of low pressure located several hundred miles west-southwest of the Cape Verde Islands has continued to become better organized this morning. Environmental conditions are conducive for additional development, and only a slight increase in organization would result in the formation of a tropical depression later today while the system moves westward to west-northwestward at 10 to 15 mph.



Today's Weather



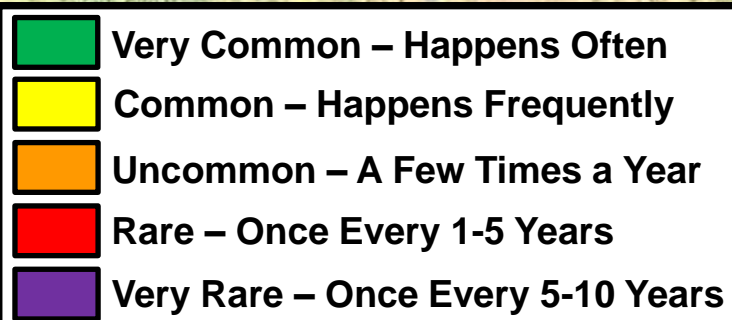
Weather Forecast for Tue, Aug 18, 2015, issued 4:30 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

Day 1 Weather Hazards

Valid: 0800 Tue - 0800 Wed



A few severe storms possible today



*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.



Tuesday, August 18, 2015

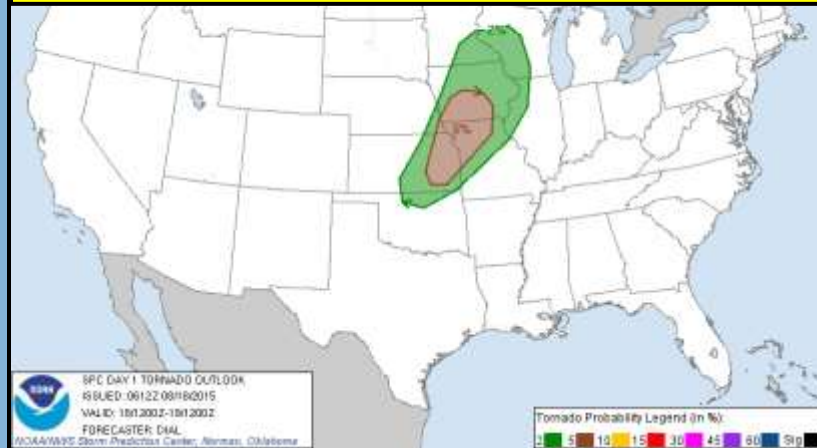
Severe Thunderstorm Potential



Overall Threat Potential



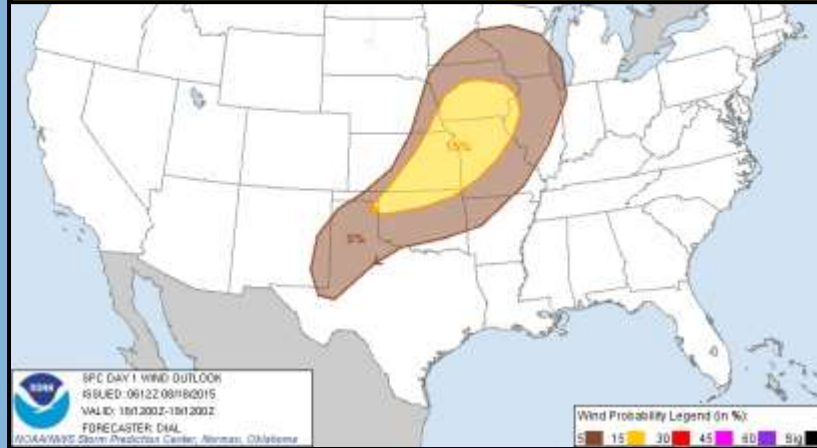
Probability of Tornado within 25 miles of a point



Probability of Damaging Hail within 25 miles of a point

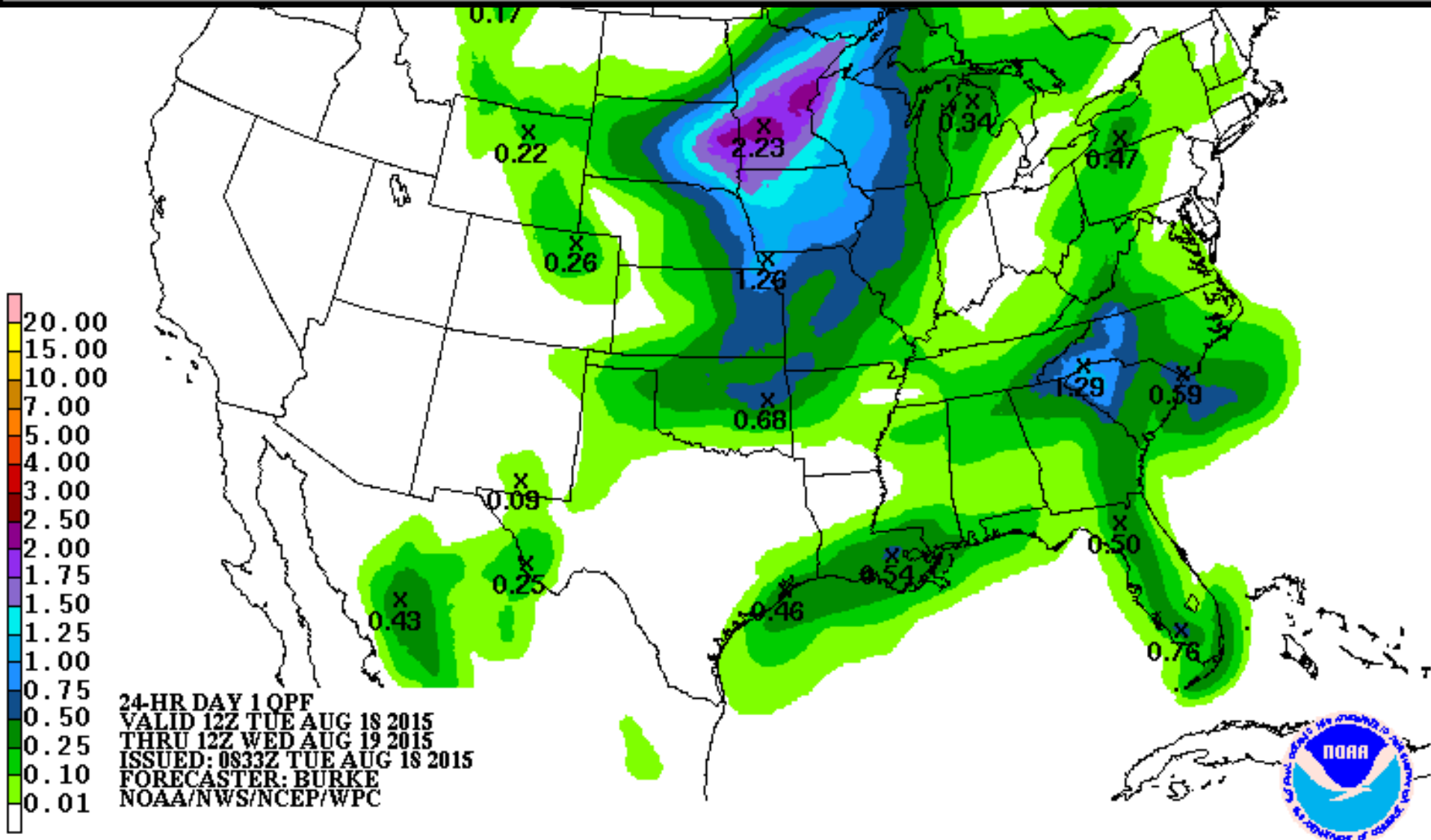


Probability of Damaging Winds within 25 miles of a point

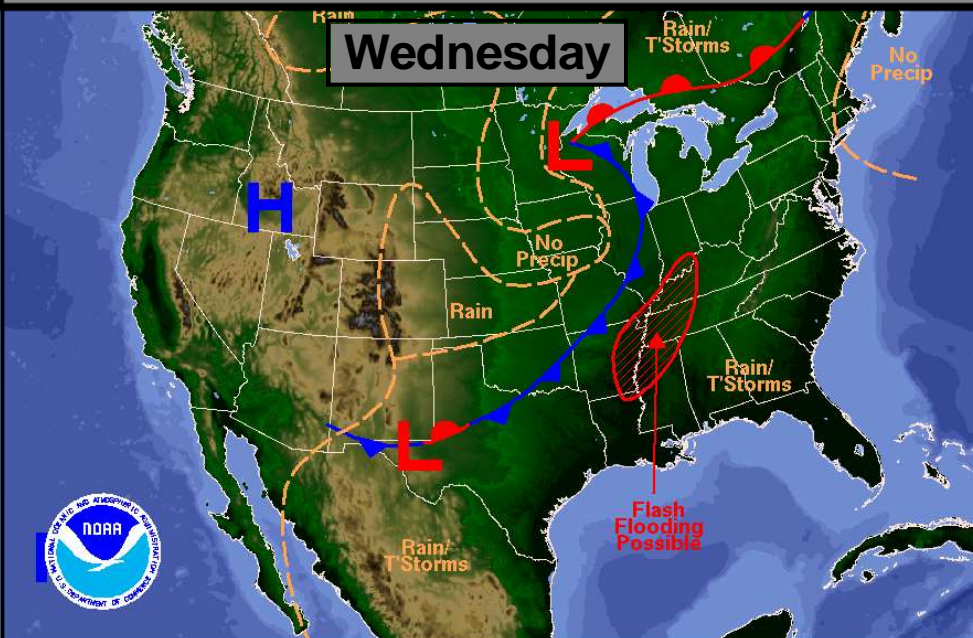


Today's Precipitation

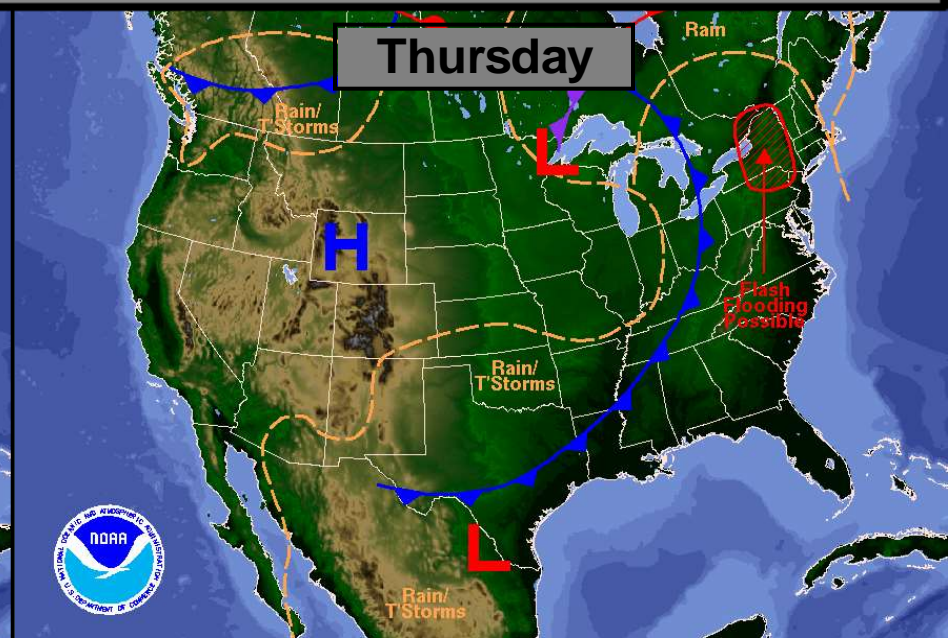
Tue AM - Wed AM



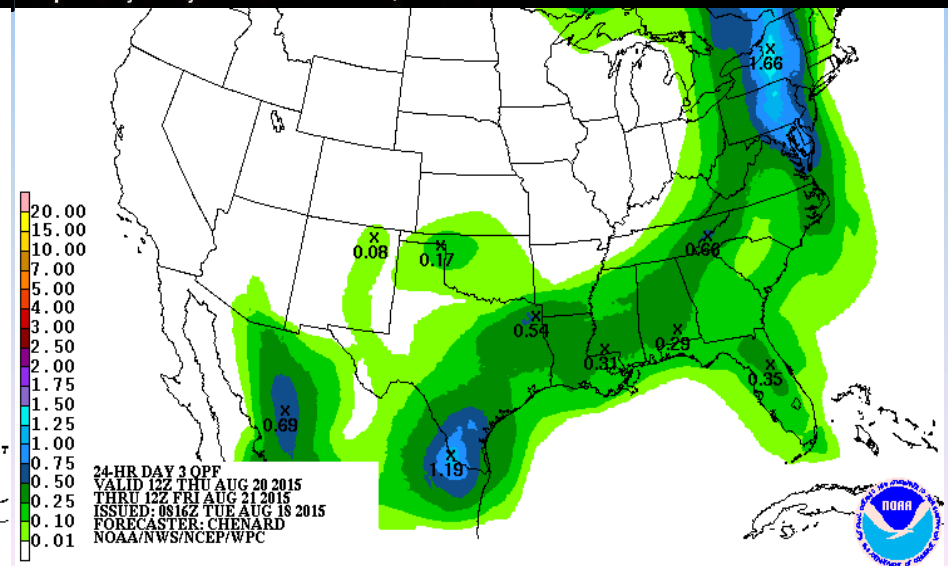
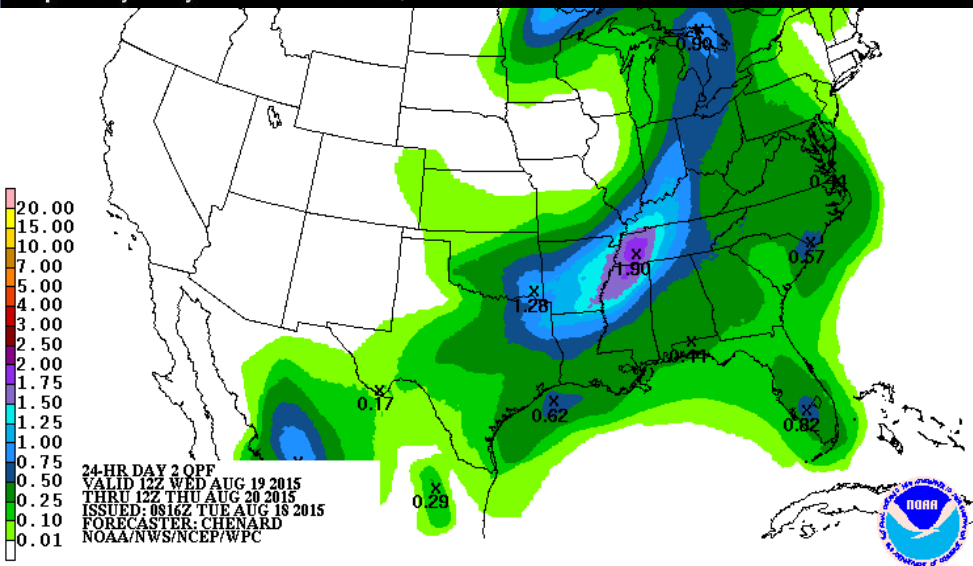
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Wed, Aug 19, 2015, issued 4:45 AM EDT Tue, Aug 18, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McReynolds based on WPC, SPC and NHC forecasts



Weather Forecast for Thu, Aug 20, 2015, issued 5:06 AM EDT Tue, Aug 18, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by McReynolds based on WPC, SPC and NHC forecasts



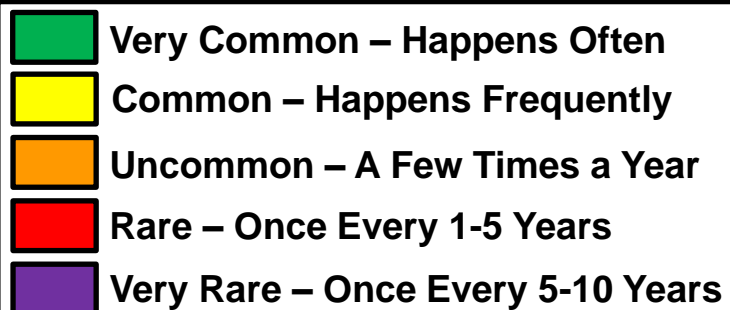
Day 2-3 Weather Hazards

Valid: 0800 Wed - 0800 Fri



A few strong to severe storms and areas of flash flooding possible on Wednesday

No Significant Weather Impacts Expected Thursday



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Day 4-5 Weather Hazards

Valid: 0800 Fri - 0800 Sun



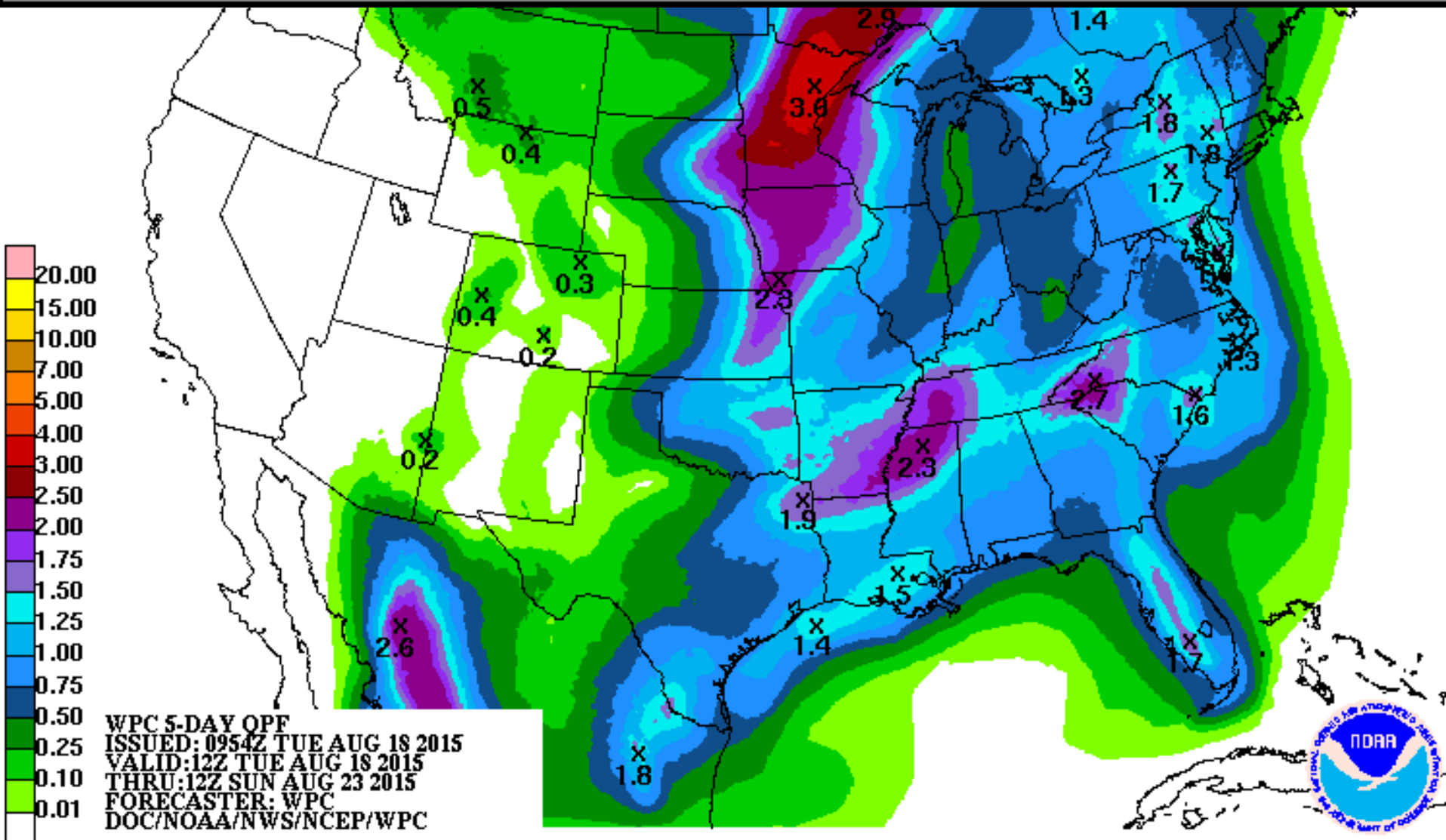
**No Significant
Weather Impacts
Expected**



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5-Day Precipitation

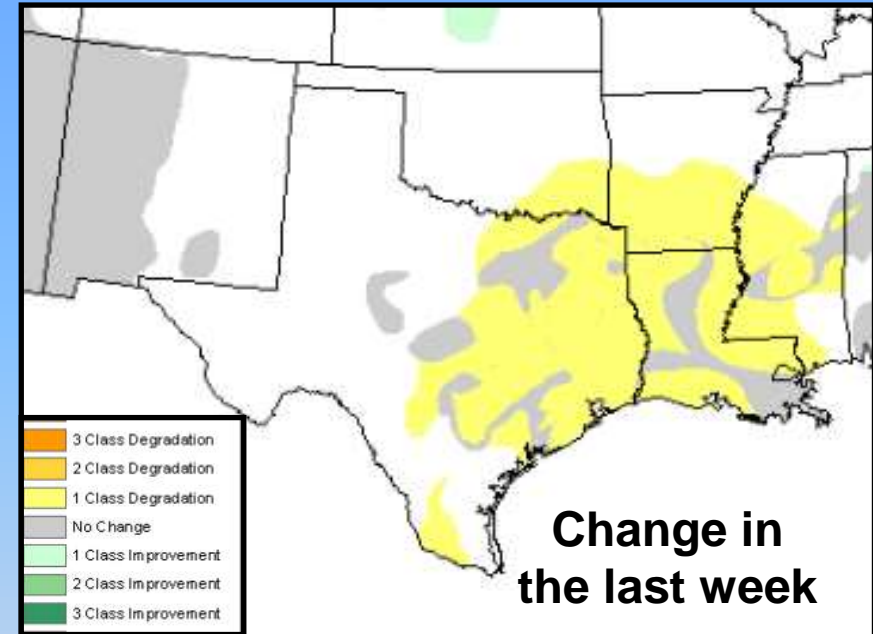
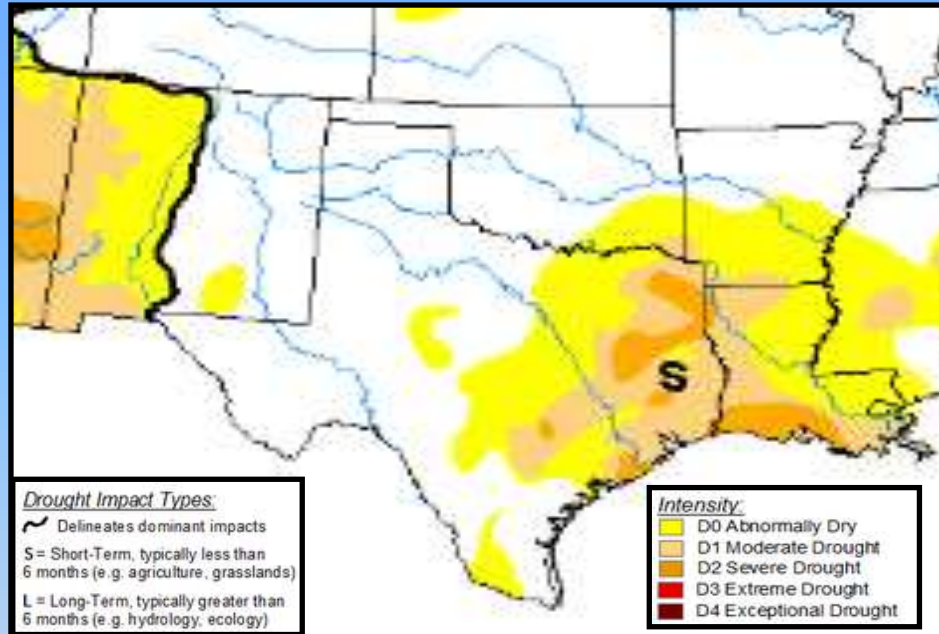
Tue AM - Sun AM





Drought Monitor Released Aug 13, 2015

Data valid as of 7am CDT, Tuesday Aug 11, 2015



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	3.72%	16.12%
Texas	0.00%	0.00%	1.93%	14.06%
New Mexico	0.00%	0.00%	0.00%	8.67%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

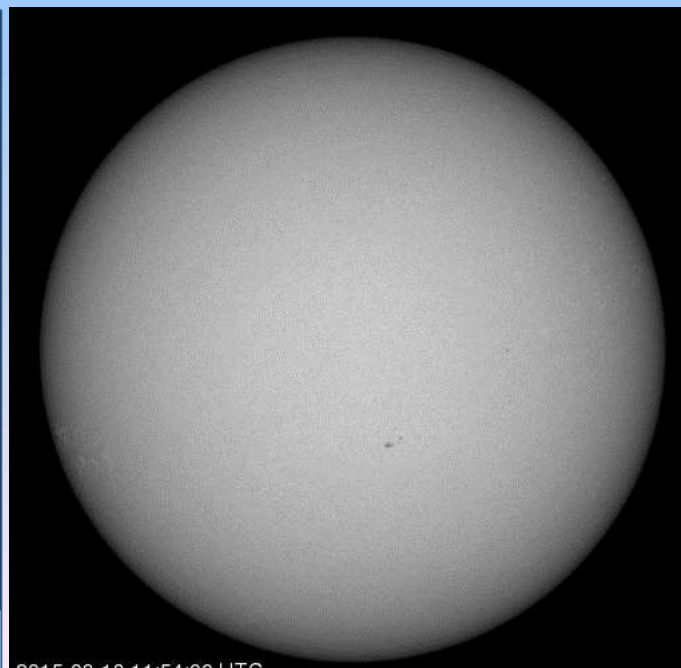
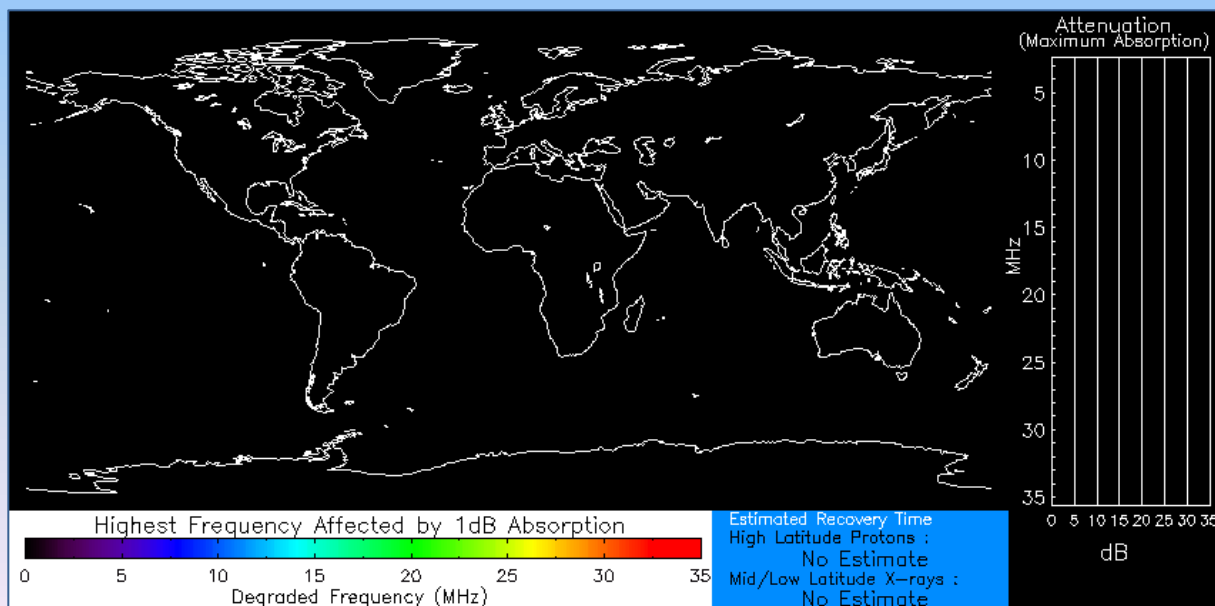
Space Weather 3-Day Forecast



	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Unsettled to Active (Max Kp = 4)	Unsettled to Active (Max Kp = 4)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2015-08-18 11:54:00 UTC

Normal X-ray Background
Product Valid At : 2015-08-18 12:39 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA

Information provided by:



National Weather Service
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